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(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 March 2005 (10.03.2005)

PCT

(10) International Publication Number
WO 2005/021921 A3

- (51) International Patent Classification⁷: **E21B 29/00**, 17/042
- (21) International Application Number: PCT/US2004/028423
- (22) International Filing Date: 1 September 2004 (01.09.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/499,576 2 September 2003 (02.09.2003) US
- (71) Applicant (for all designated States except US): **ENVENTURE GLOBAL TECHNOLOGY [US/US];** 16200 A Park Row, Houston, TX 77084 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **COSTA, Scott [US/US];** 25614 Broadcast Court, Katy, TX 77494 (US).
- (74) Agents: **HAYNES AND BOONE LLP et al.;** 901 Main Street, Suite 3100, Haynes and Boone, LLP, Dallas, Texas 75202 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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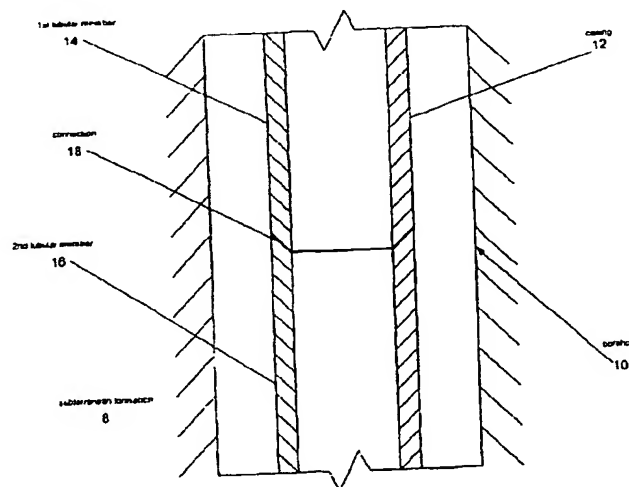
— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

[Continued on next page]

(54) Title: A METHOD OF RADIALLY EXPANDING AND PLASTICALLY DEFORMING TUBULAR MEMBERS



(57) Abstract: A method of radially expanding and plastically deforming a tubular assembly comprising a first tubular member, a second tubular member, and a mechanical coupling for coupling the first tubular member to the second tubular member, the method comprising placing the mechanical coupling in tension; and then radially expanding and plastically deforming the mechanical coupling. It is emphasized that this abstract is provided to comply with the rules requiring an abstract to allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure; and is submitted with the understanding that it will not be used to limit the scope or meaning of the claims under 37 CFR 1.72.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/28423

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : E21B 29/00, 17/042

US CL : 166/277,382,207,208

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 166/277,382,207,208,297,55,55.1,206,212,216,214,242.1,242.2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 6,607,220 B2 (Sivley, IV) 19 August 2003 (19.08.2003), Figures.	1,4,6,13,17,18,20,21,25 28,30,33- 38,41,44,45,53,57,58,6 0,61,65-70,73,76,77 ----- 2,3,5,7-12,14-16,19,22- 24,26,27,29,31,32,39,4 0,42,43,45,47-52,54- 56,59,62- 64,71,72,74,75
Y	US 6,543,552 B1 (Metcalf et al.) 08 April 2003 (08.04.2001), Figures.	2,3,5,7-12,14-16,19,22- 24,26,27,29,31,32,39,4 0,42,43,45,47-52,54- 56,59,62- 64,71,72,74,75

☒ Further documents are listed in the continuation of Box C.



See patent family annex.

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David Bagnell

Telephone No. 571-272-3600

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International application No.
PCT/US04/28423

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	US 2004/0231839 A1 (Ellington et al.) 25 November 2004 (25.11.2004), Figures.	1-77
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